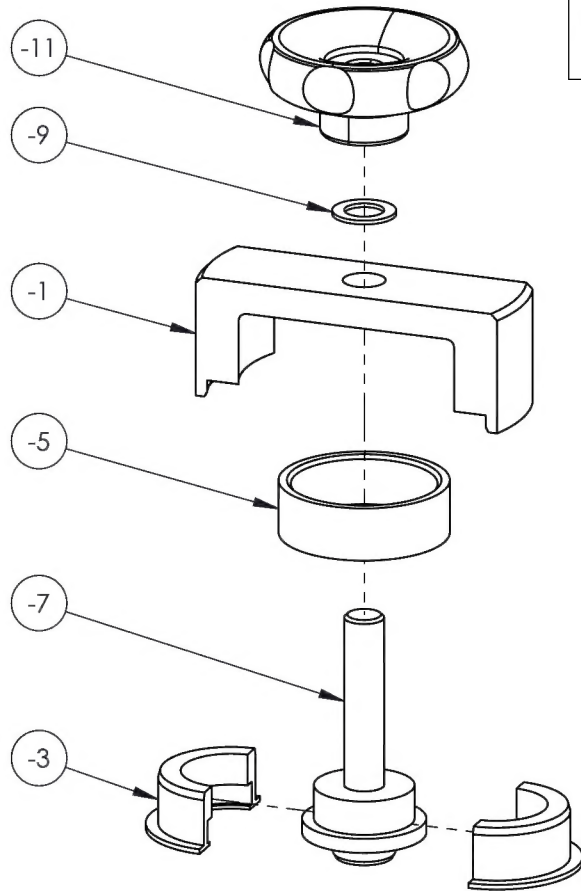
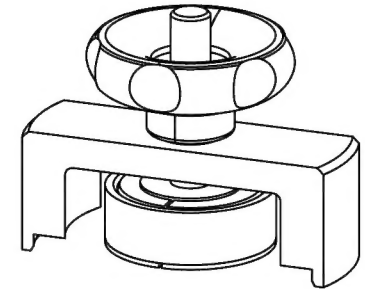


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**UNDER REVIEW**  
**ECR: HB ECR 181**

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D -5 BOM INFO PER S.E. CH'D -1 ENGRAVE NOTE PER R.W. CH'D -3 CUTLINE GAP FROM .040 PER G.E.	5/9/2011	RJC	RW
1A		CH'D TOOL NAME WAS DRIVE SEAL HOUSING REMOVER IS TOOL. PUMP 1-2-3 DRIVE QUILL SEAL HOUSING TO MATCH PARTS MANUAL.	11/1/2013	RJC	RW
2		-1 CH'D MATERIAL WAS 6061 SQ. BAR IS PLATE, CH'D B/O INFO WAS 2 X 2 X 5-1/2 IS 2 X 2-1/4 X 5-7/16, MOVED DATUM A TO BOTTOM SURFACE. -3 ADDED DATUM REF. C TO  CONTROL. -5 CH'D FORM CONTROL WAS  IS // . CORRECTED HATCHING ON SECTION A-A. CH'D TOLERANCE ON NON-CRITICAL PARTS.  IS  .	5/16/2014	DPD	GE
3	17-0104	UPDATED TO NEW STANDARD. ADDED OEM REF NOTE. -1 CH'D DIMS WAS 1.572 IS 1.57. WAS 1.967 IS 1.97. CORRECTED GD&T. -3 CH'D DIM WAS .945 IS .95. DELETED DIM 2X 1.316. CORRECTED GD&T. -5 CH'D DIM WAS .866 IS .87. -7 CH'D MAT'L WAS 4140 Q&T IS 4140/4142. ADDED HEAT TREAT RC 28-34. CH'D FINISH WAS CAD PLATE YELLOW QQ-P-416F TYPE II CLASS II IS ZINC PLATE ASTM B633 TYPE I SC2. -9 CH'D MAT'L FROM 5052 TO ALUMINUM. -11 CH'D B/O REF WAS 5/8-11 REID #KHN-115 IS 5/8-11 X Ø3.27 X 1.57 (MSC #52216553).	4/26/2017	DPD	JAG



#### NOTES:

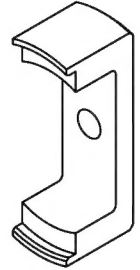
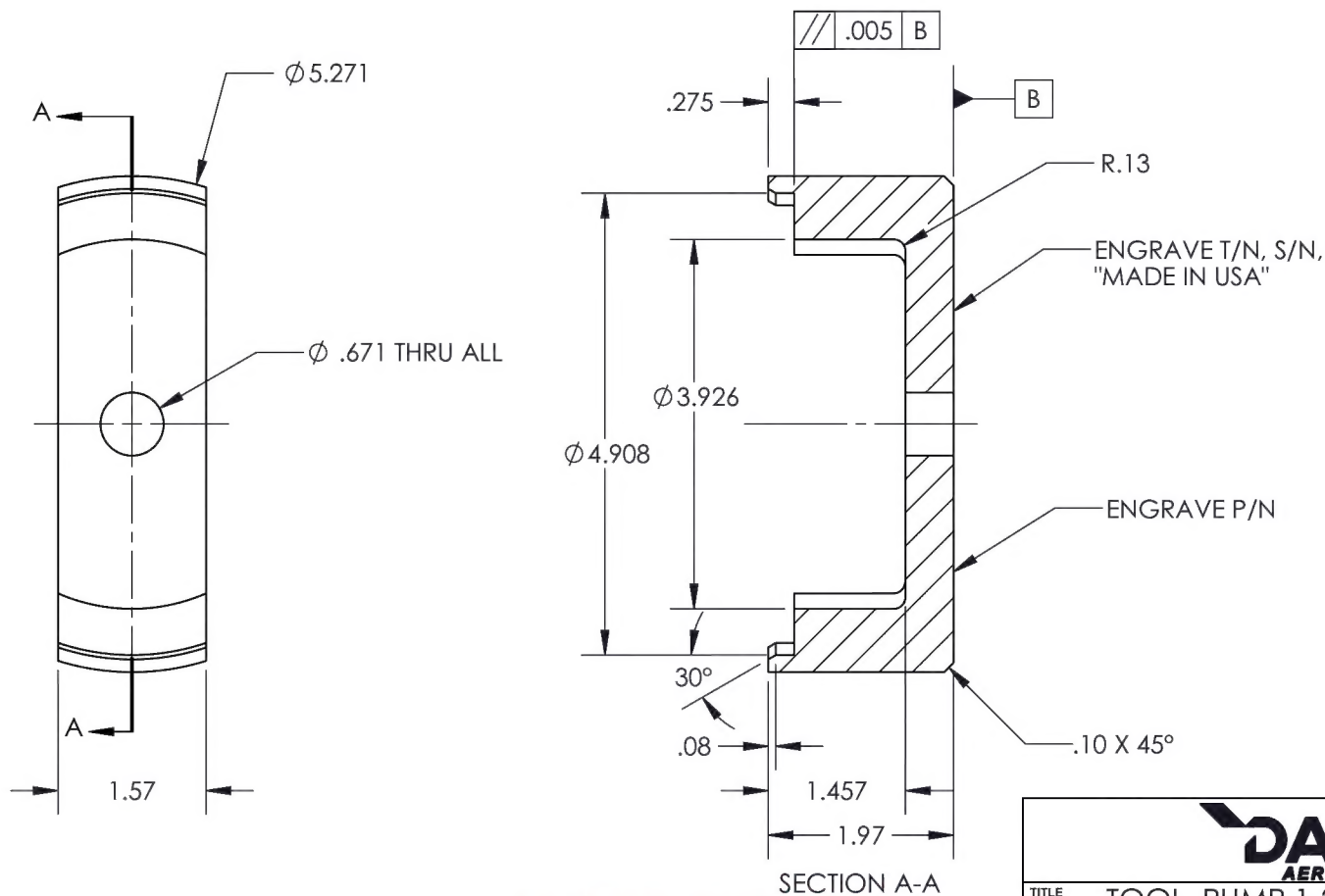
- PART OF KIT RBW6305G01531-3G, BOX ONE RBW6305G19631-3G.
- REF. AGUSTA T/N: 3G6305G17131.

<b>DART AEROSPACE</b>																											
TITLE TOOL, PUMP 1-2-3 DRIVE QUILL SEAL HOUSING REMOVAL																											
DWG NO. RBW6305G17131-3G	REV 3																										
<table border="1"> <tr> <td>MAT'L</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT TREAT</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH</td> <td>.XXX ± .005 FRACTIONS ± 1/8</td> </tr> <tr> <td></td> <td>.XX ± .01 ANGLES ± 5°</td> </tr> <tr> <td></td> <td>.X ± .1 SURFACES = 125✓</td> </tr> <tr> <td>SPEC</td> <td>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</td> </tr> <tr> <td>DRAWN BY: CLOUGH</td> <td>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</td> </tr> <tr> <td>CHECKED: RJC 04/26/2017</td> <td>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</td> </tr> <tr> <td>OPPS APPR: AA 05/05/2017</td> <td></td> </tr> <tr> <td>QA APPR: JL 05/10/2017</td> <td>USED ON MODEL</td> </tr> <tr> <td>APPROVED: JAG 06/01/2017</td> <td>AW139</td> </tr> <tr> <td>SCALE 1:3</td> <td>DATE 2/3/2011</td> </tr> <tr> <td colspan="2">SHEET 1 OF 5</td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED	HEAT TREAT	DIMENSIONS ARE IN INCHES	FINISH	.XXX ± .005 FRACTIONS ± 1/8		.XX ± .01 ANGLES ± 5°		.X ± .1 SURFACES = 125✓	SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	CHECKED: RJC 04/26/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	OPPS APPR: AA 05/05/2017		QA APPR: JL 05/10/2017	USED ON MODEL	APPROVED: JAG 06/01/2017	AW139	SCALE 1:3	DATE 2/3/2011	SHEET 1 OF 5	
MAT'L	UNLESS OTHERWISE SPECIFIED																										
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OPPS APPR: AA 05/05/2017																											
QA APPR: JL 05/10/2017	USED ON MODEL																										
APPROVED: JAG 06/01/2017	AW139																										
SCALE 1:3	DATE 2/3/2011																										
SHEET 1 OF 5																											

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	FRAME	6061		2
			-3	1	TWO HALF KEEPER	6061		3
			-5	1	LOCK RING	6061		4
			-7	1	PULLER	4140/4142		5
		B/O	-9	1	WASHER	ALUMINUM	Ø5/8 I.D. X Ø1 O.D. X .063 (MCMaster-CARR #92661A745)	1
		B/O	-11	1	6 LOBE KNOB	PLASTIC	5/8-11 X Ø3.27 X 1.57 (MSC #52216553)	1

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D -1 ENGRAVE NOTE PER R.W.	5/9/2011	RJC	RW
2		-1 MOVED DATUM A TO BOTTOM SURFACE.	5/16/2014	DPD	GE
3	17-0104	-1 CH'D DIMS WAS 1.572 IS 1.57, WAS 1.967 IS 1.97. CORRECTED GD&T.	4/26/2017	DPD	JAG



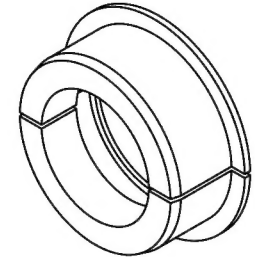
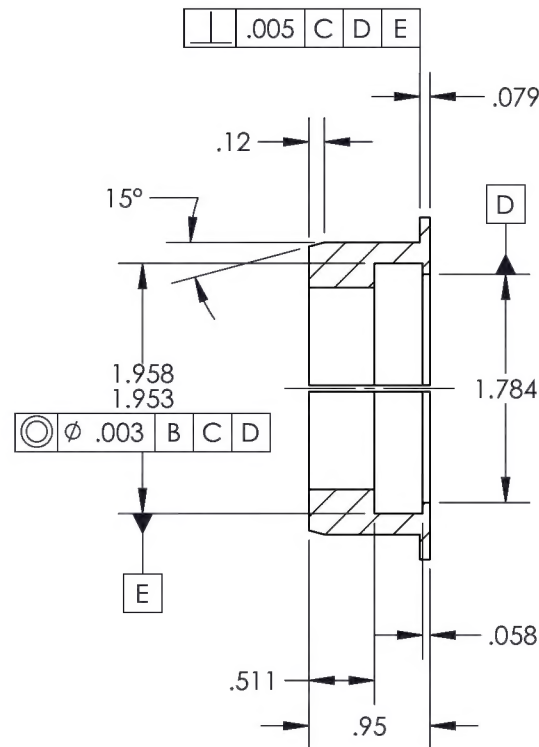
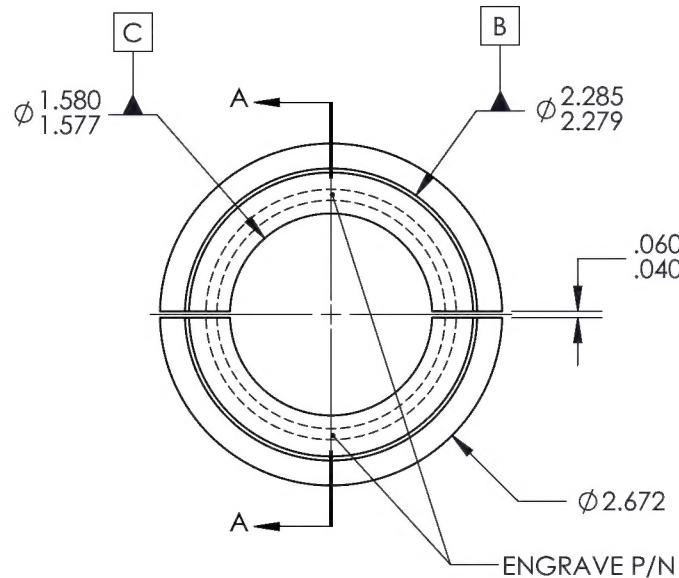
**UNDER REVIEW**  
**ECR: HB ECR 181**

(-1)  
FRAME

<b>DART AEROSPACE</b>	
TITLE TOOL, PUMP 1-2-3 DRIVE QUILL SEAL HOUSING REMOVAL	
DWG NO. RBW6305G17131-3G-1	REV 3
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH CLEAR ANODIZE	.XX ± .01 ANGLES ± 5°
SPEC MIL-A-8625F, TYPE II, CLASS I	.X ± .1 SURFACES = 125 ✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: RJC 04/26/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 05/05/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 05/10/2017	USED ON MODEL
APPROVED: JAG 06/01/2017	AW139
SCALE 1:2	DATE 2/3/2011
SHEET 2 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D -3 CUTLINE GAP FROM .040 PER G.E.	5/9/2011	RJC	RW
2		-3 ADDED DATUM REF. C TO $\odot$ CONTROL, MOVED DATUM C TO $\varnothing 1.784$ HOLE, ADDED DATUM D AND DATUM REF. D TO $\perp$ CONTROL	5/16/2014	DPD	GE
3	17-0104	-3 CH'D DIM WAS .945 IS .95. DELETED DIM 2X 1.316. CORRECTED GD&T.	4/26/2017	DPD	JAG



SECTION A-A

**UNDER REVIEW**  
**ECR: HB ECR 181**

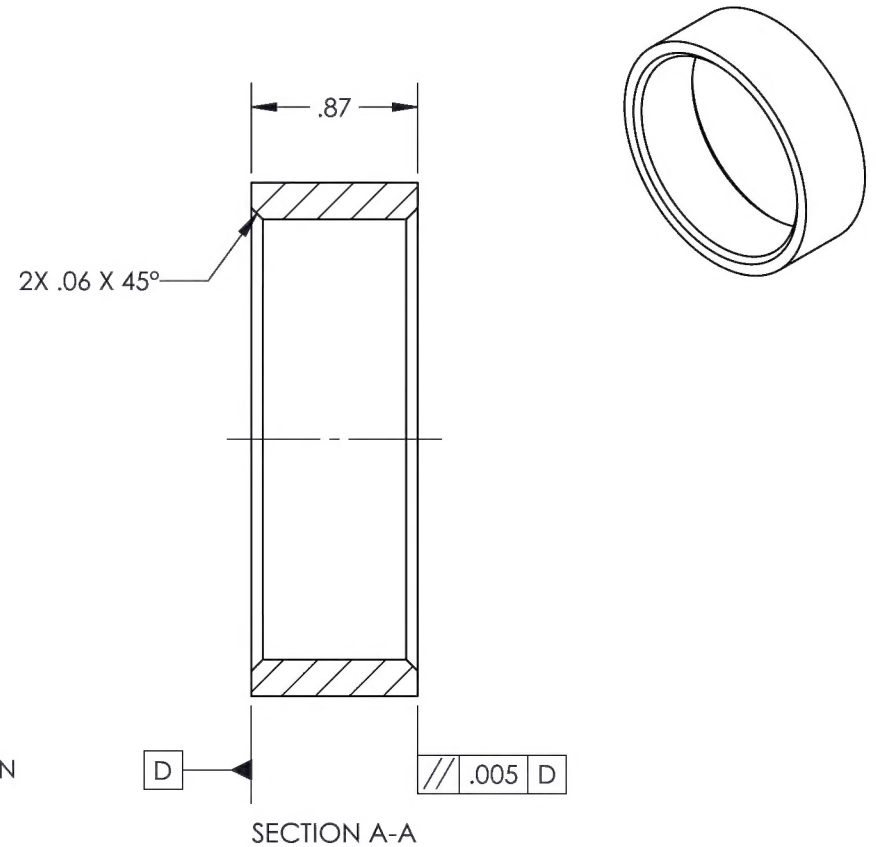
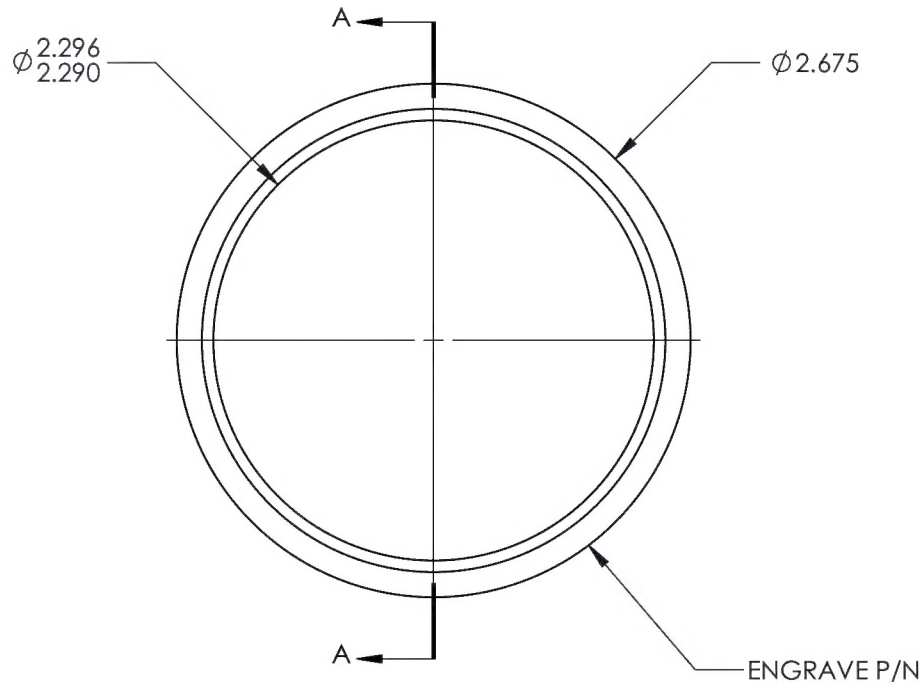
(-3)

TWO HALF KEEPER

<b>DART AEROSPACE</b>	
TITLE TOOL, PUMP 1-2-3 DRIVE QUILL SEAL HOUSING REMOVAL	
DWG NO. RBW6305G17131-3G-3	REV 3
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
FINISH CLEAR ANODIZE	.XX $\pm$ .01 ANGLES $\pm$ 5°
SPEC MIL-A-8625F, TYPE II, CLASS I	.X $\pm$ .1 SURFACES = 125 $\sqrt$
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: RJC 04/26/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 05/05/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 05/10/2017	USED ON MODEL
APPROVED: JAG 06/01/2017	AW139
SCALE 2:3	DATE 2/3/2011
SHEET 3 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-5 CH'D FORM CONTROL WAS $\perp$ IS $\parallel$ . CORRECTED HATCHING ON SECTION A-A.	5/16/2014	DPD	GE
3	17-0104	-5 CH'D DIM WAS .866 IS .87.	4/26/2017	DPD	JAG



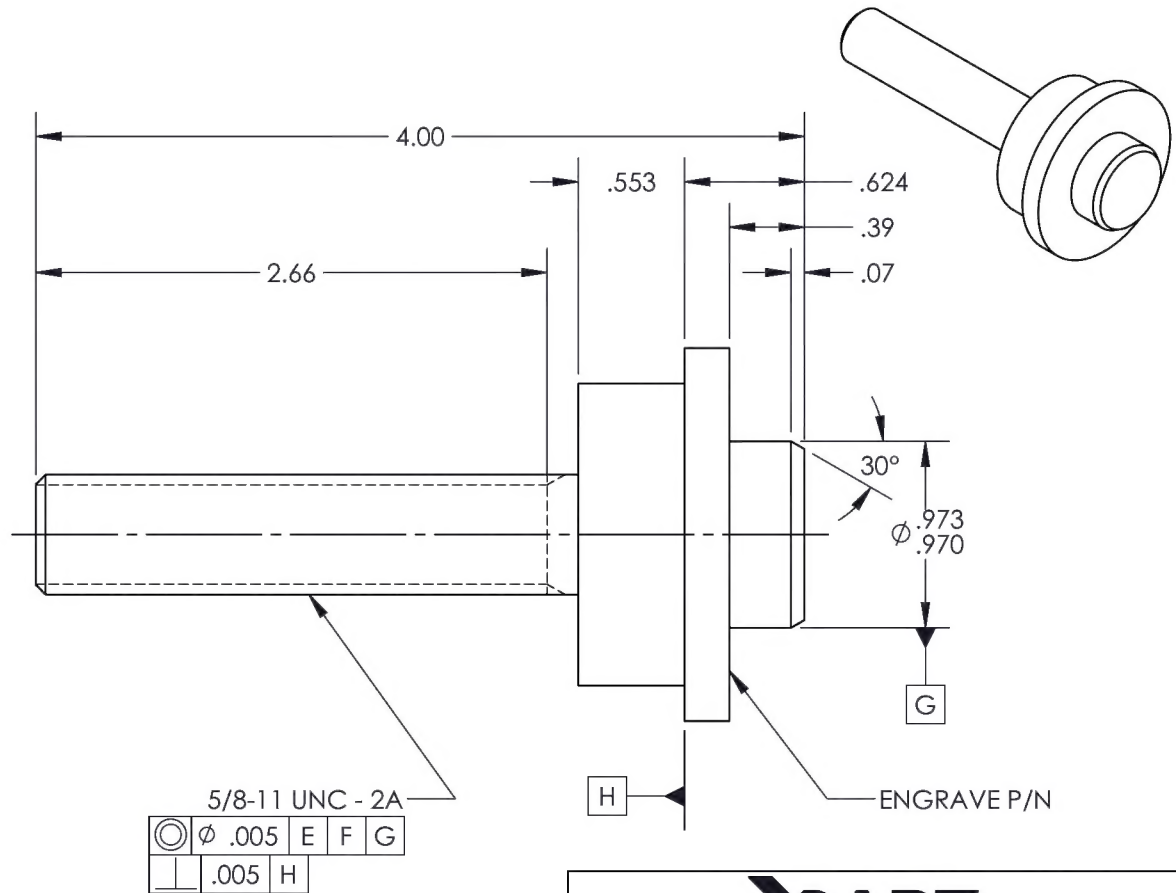
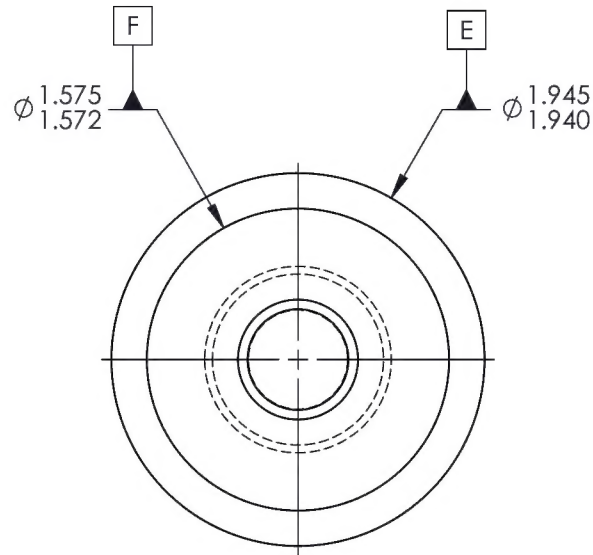
UNDER REVIEW  
ECR: HB ECR 181

(5)  
LOCK RING

<b>DART AEROSPACE</b>	
TITLE TOOL, PUMP 1-2-3 DRIVE QUILL SEAL HOUSING REMOVAL	
DWG NO. RBW6305G17131-3G-5	REV 3
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
FINISH CLEAR ANODIZE	.XX $\pm$ .01 ANGLES $\pm$ 5°
SPEC MIL-A-8625F, TYPE II, CLASS I	.X $\pm$ .1 SURFACES = 125
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: RJC 04/26/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 05/05/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 05/10/2017	USED ON MODEL
APPROVED: JAG 06/01/2017	AW139
SCALE 1:1	DATE 2/3/2011
SHEET 4 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	17-0104	-7 CH'D MAT'L WAS 4140 Q&T IS 4140/4142. ADDED HEAT TREAT RC 28-34. CH'D FINISH WAS CAD PLATE YELLOW QQ-P-416F TYPE II CLASS II IS ZINC PLATE ASTM B633 TYPE I SC2.	4/26/2017	DPD	JAG



5/8-11 UNC - 2A					
⌀	.005	E	F	G	
	.005	H			

UNDER REVIEW  
ECR: HB ECR 181

(-7)  
PULLER

<b>DART AEROSPACE</b>	
TITLE TOOL, PUMP 1-2-3 DRIVE QUILL SEAL HOUSING REMOVAL	
DWG NO. RBW6305G17131-3G-7	REV 3
MAT'L 4140/4142 HEAT TREAT FINISH ZINC PLATE SPEC ASTM B633 TYPE I SC 2	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH CHECKED: RJC 04/26/2017 OPPTS APPR: AA 05/05/2017 QA APPR: JL 05/10/2017 APPROVED: JAG 06/01/2017	
USED ON MODEL AW139	
SCALE 1:1	DATE 2/3/2011
SHEET 5 OF 5	